CLAIMS

Claim 1 (currently amended): An integrated automatic system for remote monitoring and management of vehicle access and parking in urban areas on a selective basis comprising: a mobile recognition device, in which a user code is ~~memorised~~ memorized, and which can be positioned inside a vehicle; a detection sensor installed close to a respective parking space; a network connecting the detection sensors to a fixed data collection station; and a control centre, connected to ~~the~~ a second network, for decoding and reprocessing the data;

wherein the mobile recognition device comprises a pair of displays; a pair of parking start and end pushbuttons; an active RFID tag; a buzzer; and a two-color indicator.

Claim 2 (currently amended): A system according to claim 1, further comprising: ~~a~~ the second network connecting a plurality of fixed stations designed to collect data from respective areas with parking spaces.

Claim 3 (currently amended): The system of claim 1, wherein the mobile recognition device consists of a mobile telephone or a ~~miniaturised~~ miniaturized device, which can be positioned inside the vehicle, equipped with a memory containing the user identification code.

Claim 4 (previously presented): A system according to claim 3, wherein the code is transmitted automatically or manually by radio-frequency to the detection sensors.

Claim 5 (previously presented): The system of claim 1, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 6 (currently amended): A system according to claim 5, wherein each external unit comprises: luminous indicators which confirm the detection of an ~~authorised~~ authorized or not ~~authorised~~ authorized vehicle; an interface, designed to communicate with the user; and means for issuing receipts or printed messages of use to the ~~authorised~~ authorized user.

Claim 7 (currently amended): A system according to claim 5, wherein each external unit presents a buzzer which is activated in the event of detection of a vehicle parked without ~~authorisation~~ authorization.

Claim 8 (canceled)

Claim 9 (currently amended): A method for the management of an integrated automatic system for remote monitoring and management of vehicle access and parking in urban areas on a selective basis comprising:

detecting the presence of a vehicle in a specific respective parking space with a mobile recognition device, in which a user code is memorized, and which can be positioned inside a vehicle; a detection sensor installed close to a respective parking space; a network connecting the detection sensors to a fixed data collection station; and a control centre, connected to a second network, for decoding and reprocessing the data; wherein the mobile recognition device comprises a pair of displays; a pair of parking start and end pushbuttons; an active RFID tag; a buzzer; and a two-color indicator;

recognizing the vehicle as ~~authorised~~ authorized or not ~~authorised~~ authorized to use the space;

emitting a visual ~~and/~~or acoustic signal confirming the occupation of the space;

detecting the parking time of the vehicle in the parking space;

transmitting the occupation of the parking space and of the data regarding the recognised or not recognised vehicle to one or more area controller devices;

~~the transmission of~~ transmitting the data collected by the one or more area controller devices to a central processing unit designed to store the data regarding ~~recognised~~ recognized vehicles and to immediately report any ~~unauthorised~~ unauthorized occupation by vehicles without ~~authorisation~~ authorization;

calculating, by the central unit, of the fee in relation to, the parking time; and

transmitting the data relative to the fee to a bank authorised for payment with the consent of the user.

Claim 10 (currently amended): The system of claim 2, wherein the mobile recognition device consists of a mobile telephone or a miniaturised device, which can be positioned inside the vehicle, equipped with a memory containing the user identification code.

Claim 11 (canceled)

Claim 12 (previously presented): The system of claim 2, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 13 (new): The system of claim 3, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 14 (new): The system of claim 4, wherein each detection sensor is located inside an external unit positioned close to a respective parking area.

Claim 15 (currently amended): A system according to claim 6, wherein each external unit presents a buzzer which is activated in the event of detection of a vehicle parked without ~~authorisation~~ authorization.

Claim 16 (canceled)

Claim 17 (canceled)

Claim 18 (canceled)

Claim 19 (canceled)

Claim 20 (canceled)